



>>Entry Name: Trimethylpropoxysilane, 9CI

CAS Registry Number: 1825-63-4

$\text{H}_3\text{CCH}_2\text{CH}_2\text{OSiMe}_3$

Molecular Formula: $\text{C}_6\text{H}_{16}\text{OSi}$

Molecular Weight: 132.277

Accurate Mass: 132.097042

Percentage Composition: C 54.48%; H 12.19%; O 12.10%; Si 21.23%

Source/Synthesis: Synth. from $(\text{Me}_3\text{Si})_2\text{NH} + \text{H}_3\text{CCH}_2\text{CH}_2\text{OH}$

Boiling Point: Bp 100-101°

Density: d^{20}_4 0.77

Refractive Index: n^{20}_D 1.3838

References:

Langer, S.H. *et al.*, *J.O.C.*, 1958, **23**, 50-58, (*synth*)

Dube, G. *et al.*, *Org. Mass Spectrom.*, 1968, **1**, 891-898, (*ms*)

Brune, H.A., *Tetrahedron*, 1968, **24**, 79-97, (*pmr*)

Pola, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1976, **41**, 239-247, (*ir, cmr, Si-29 nmr*)

Liepins, E. *et al.*, *J. Organomet. Chem.*, 1986, **306**, 167-182, (*cmr, O-17 nmr, Si-29 nmr*)